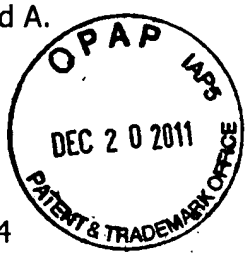
12-21-11

DAC

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Haase, Richard A.



Filed: March 1, 2004

Title: Water Combustion Technology - Methods, Processes, Systems and Apparatus for the Combustion of Hydrogen and Oxygen

§ Serial No.: 10/790,316
§
§ A continuation of PCT/US 03/11250
§ and PCT/US 03/41719
§
§ Claiming Priority of:
§ PCT/US 03/11250 filed 4/10/03,
§ PCT/US 03/41719 filed 10/11/03,
§ 60/447,880 filed 2/14/03,
§ 60/404,644 filed 8/19/02,
§ 60/379,587 filed 5/10/02, and
§ 60/371,768 filed 4/11/02.
§
§ Art Unit: 3748
§
§ Examiner: Hoang M. Nguyen

Mail Stop: Petitions
The Honorable Commissioner for Patent and Trademarks
US PTO
P.O. Box 1450
Alexandria, VA 22313-1450

US Express Mail

PETITION TO WITHDRAW HOLDING OF ABANDONMENT

Enclosed for filing in the above-identified patent application is:

1. Transmittal Letter (2 pages);
2. Amendment/Argument (10 pages);
3. Statement Under 37 CFR 3.73(b), form PTO/SB/96 (1 page + 4 page attachment);
4. Replacement Figures (28 pages);
5. New Figures (2 pages);
6. Declaration of Richard Alan Haase (5 pages);
7. USPTO Publications Branch to File Corrected Application Papers (3 pages);
8. USPTO Publications Branch Notice of Abandonment (1 page);
9. Express mail receipt No. EG 530943228 US, and
10. Post card, which is appreciated returned upon receipt.

//

CERTIFICATE OF MAILING

I hereby certify that this correspondence and all documents referred to as being enclosed or attached is being sent by Express Mail Receipt No. EG 530943228 US to: Mail Stop: Petitions, The Honorable Commissioner for Patents and Trademarks, US PTO, P.O. Box 1450, Alexandria, VA 22313-1450.

December 20, 2011
Date of Mailing

Richard A. Haase

Respectfully submitted,

Date: December 20, 2011

Richard A. Haase, Pro Se' Applicant

Richard A. Haase
4402 Ringrose Drive
Missouri City, Texas 77459
Telephone: 281.261.9543
Facsimile: 281.261.6505
richard.haase@clearvalue.com

Representing:
ClearValue Technologies, Inc.; &
Richard Alan Haase

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Haase, Richard A.

Filed: March 1, 2004

Title: Water Combustion Technology - Methods, Processes, Systems and Apparatus for the Combustion of Hydrogen and Oxygen

Serial No.: 10/790,316

A continuation of PCT/US 03/11250 and PCT/US 03/41719

Claiming Priority of:
PCT/US 03/11250 filed 4/10/03,
PCT/US 03/41719 filed 10/11/03,
60/447,880 filed 2/14/03,
60/404,644 filed 8/19/02,
60/379,587 filed 5/10/02, and
60/371,768 filed 4/11/02.

Art Unit: 3748

Examiner: Hoang M. Nguyen

Mail Stop: Petitions
The Honorable Commissioner for Patent and Trademarks
P.O. Box 1450
Alexandria, VA 22313-1450

US Express Mail

PETITION TO WITHDRAW HOLDING OF ABANDONMENT

Please enter this Petition to withdraw holding of abandonment, which is responsive to the Patent Publications Branch Office Action of July 22, 2011 and Notice of Abandonment dated October 7, 2011.

REMARKS

Applicant respectfully requests favorable consideration of this petition to withdraw holding of abandonment.

Status of Pending Claims:

Claims 216-220, 222-229, 231-232, 235, 237-253, 258-260, 342 and 350 are pending in this application.

Claims 216, 218-219, 221-229, 231-232, 235, 237, 239-245, 247-250, 252-253, 258-260, 342 and 350 are (Previously presented).

Claims 217, 220, 225-226, 238, 246 and 251 are (Original).

Claims 1-215, 221, 230, 233-234, 236, 254-257 are (Canceled).

Claims 261-341 and 343-349 are (Withdrawn).

There are no claims which are (Currently amended).

There are no claims which are (New).

Summary of Patent Publications Branch Notice to File Corrected Application Papers:

The illustration(s) on Page(s) 7, 47 do not come within the exceptions of 37 CFR 1.58(a). Please delete the illustration(s) from the specification, provide the illustration(s) as part of the formal drawing(s) in accordance with 37 CFR 1.84, and amend the specification, as necessary, in accordance with 37 CFR 1.74.

Patent Publications Branch Notice of Abandonment:

1. ☒ The applicant's failure to timely file a proper reply to the Office letter mailed on 07-22-11.
   (a) ☐ A reply was received on _____ (with a Certificate of Mailing or Transmission date _____), which is after the expiration of the period for reply (including a total extension of ____ month(s)) which expired on _____.
   (b) ☒ No reply has been received.

Instant Claim Accounting:

This amendment, which is responsive to the Office Action of the Patent Publications Branch dated July 22, 2011, does not amend the instant claims. Therefore, Applicant has no additional claim fee due.

Unintentional Abandonment:

Applicant apologizes for the unintentional abandonment of the instant application.

While Applicant does not normally and has not previous had an issue to receive mail from the United States Patent and Trademark Office, most unfortunately and in this instance, Applicant did not receive the Office Action of the Patent Publications Branch dated July 22, 2011, as is evidenced herein.

In the Claims (There is no amendment)

Claims 1 – 215 (Canceled)

216. (Previously presented) An engine comprising a combustion chamber, wherein

a mixture of oxygen, as O_2, and hydrogen, as H_2, is combusted, creating steam, wherein

at least a portion of the oxygen is obtained by the separation of air, wherein

the separation of air is selected from the group consisting of:

(a) cryogenic separation,

(b) membrane separation,

(c) pressure swing adsorption, and

any combination thereof, wherein

the air separation is at least partially powered by torque or mechanical rotating energy, wherein

the torque or mechanical rotating energy is at least partially obtained from at least one of:

the steam turning a steam turbine,

the steam in the combustion chamber driving a piston,

the steam in the combustion chamber driving a steam turbine, and

any combination therein, and wherein

the temperature of combustion is at least partially controlled with the addition of water or steam to the combustion chamber in a way that maintains the temperature of combustion or of combustion exhaust.

217. (Canceled)

218. (Previously presented) The engine of claim 216, wherein said torque or said mechanical rotating energy turns a generator to create electrical energy.

219. (Previously Presented) The engine of claim 216, wherein the steam produced by combustion turns a steam turbine, and wherein

said steam turbine turns a generator to create electrical energy.

220. (Original) The engine of claim 216, wherein heat is created.

221. (Canceled).

222. (Previously presented) The engine of claim 218 or 219, wherein at least a portion of said electrical energy is used in the electrolysis of water to hydrogen and oxygen, and wherein

at least a portion of at least one of said hydrogen and oxygen is used in said mixture.

223. (Previously presented) The engine of claim 216, further comprising nitrogen or argon in said mixture.

224. (Previously presented) The engine of claim 216, wherein said oxygen further comprises air.

225. (Original) The engine of claim 216, wherein at least a portion of the steam produced by combustion is converted to hydrogen by the corrosion of at least one metal.

226. (Original) The engine of claim 225, wherein the conversion of said steam into said hydrogen is increased by an electrical current in said metal(s).

227. (Previously presented) The engine of claim 225 or 226, wherein said hydrogen is at least partially used in said mixture.

228. (Previously presented) The engine of claim 216, wherein a generator turns due to the movement of air or water, and wherein

said generator creates electrical energy, and wherein

said electrical energy is at least partially utilized in the electrolysis of water to hydrogen and oxygen, and wherein

at least a portion of at least one of said hydrogen and oxygen is used in said mixture.

229. (Previously presented) The engine of claim 216, wherein a photovoltaic cell creates electrical energy, wherein

said electrical energy is at least partially used in the electrolysis of water to hydrogen and oxygen, and wherein

at least a portion of at least one of said hydrogen and oxygen is used in said mixture.

230. (Canceled).

231. (Previously presented) The engine of claim 216, wherein at least a portion of the nitrogen separated from air in said cryogenic air separation unit is used to cool any portion of at least one selected from a list consisting of: said cryogenic air separation unit, the storage of oxygen, the storage of hydrogen, electrolysis, coolant for said engine, said engine and any combination thereof.

232. (Previously presented) The engine of claim 231, wherein said nitrogen separated from air in said cryogenic air separation unit is at least partially used to cool air or water.

223 – 234. (Canceled).

235. (Previously presented) The engine of claim 216, wherein said oxygen separated from air is at least one of enriched oxygen, pure oxygen and very pure oxygen.

236. (Canceled).

237. (Previously Presented) The engine of claim 216, wherein at least one selected from a list consisting of a: corrosion inhibitor, chelant, dispersant and any combination therein is added to at least a portion of the water in said engine.

238. (Original) The engine of claim 216, wherein said engine performs at least one of: internal, turbine and heating combustion.

239. (Previously Presented) The engine of claim 216, wherein at least one of oxygen and hydrogen is stored in at least one of a cooled gas state and a liquid state by liquefaction.

240. (Previously Presented) The engine of claim 239, wherein compressor(s) for at least one of cooling and liquefaction is powered by at least one of said engine and a fuel cell.

241. (Previously Presented) The engine of claim 240, wherein said fuel cell is powered by hydrogen and at least one of oxygen and air.

242. (Previously Presented) The engine of claim 216, wherein at least one of said hydrogen and oxygen is stored in a mixture with frozen water crystals to form a gel.

243. (Previously presented) The engine of claim 216, wherein at least one selected from a list consisting of: hydrogen, oxygen and water is preheated prior to combustion with the energy from at least one selected from a list consisting of: ambient temperature, said engine, said engine exhaust, an electrical radiant heat source and any combination therein.

244. (Previously presented) The engine of claim 216, wherein said mechanical rotating energy enters a transmission, wherein

said transmission engage in a manner that is inversely proportional to at least one of the torque and work output of said engine, and wherein

said transmission output mechanical rotating energy turns a generator to create electrical energy.

245. (Previously presented) The engine of claim 244, wherein said transmission engage a flywheel capable of storing said mechanical rotational energy.

246. (Original) The engine of claim 244, wherein at least a portion of said electrical energy is used in the electrolysis of water to hydrogen and oxygen.

247. (Previously presented) The engine of claim 246, wherein at least a portion of at least one of said hydrogen and oxygen is used in said mixture.

248. (Previously Presented) The engine of claim 216 or 219, wherein a pressure control device is in said engine exhaust.

249. (Previously Presented) The engine of claim 216, wherein at least one of said engine combustion heat energy and said engine exhaust energy is used to heat at least one of a gas and a liquid.

250. (Previously Presented) The engine of claim 249, wherein at least one of the gas

is air and the liquid is water.

251. (Original) The engine of claim 250, wherein said exhaust discharge directly into said air or water.

252. (Previously presented) The engine of claim 216, wherein at least a portion of said engine is insulated.

253. (Previously presented) The engine of claim 216, wherein hydrogen is separated from at least one selected from a list consisting of: water, air, nitrogen, oxygen and any combination thereof within said air separation unit.

254 – 257. (Canceled).

258. (Previously presented) The engine of claim 216, wherein the temperature of said engine exhaust is at least partially cooled with the addition of water to said engine exhaust.

259. (Previously presented) The engine of claim 258, comprising jet propulsion.

260. (Previously presented) The engine of claim 216 or 258, comprising rocket propulsion.

Claims 261 - 341 (Canceled).

342. (Previously presented) The engine of claim 216, wherein said engine comprises a turbine.

Claims 343 - 349 (Canceled).

350. (Previously presented) The engine of claim 216, comprising jet propulsion wherein air is stoichiometrically increased in the jet intake for hydrogen thermodynamics and/or to operate with excess air for cooling.

In the Specification

In the instant specification, as published on page 3, is a diagram labeled "Flow Diagram 1", and which located between paragraphs [0023] and [0024]; delete the flow diagram.

In the instant specification, as published on page 19, is a diagram labeled "Flow Diagram 2", which located within paragraph [201], and which is located within Example 6; delete the flow diagram. Do not delete paragraph wording; only delete the figure.

In the instant specification, as published on page 3, amend paragraph [0023] as indicated below:

There are many methods and processes utilized for cryogenic refrigeration, which is a component of cryogenic distillation. A good reference of cryogenic refrigeration methods and processes known in the art would be "Cryogenic Engineering," written by Thomas M. Flynn and printed by Dekker. As written by Flynn, cryogenic refrigeration and liquefaction are the same processes, except liquefaction takes off a portion of the refrigerated liquid which must be made up, wherein refrigeration all of the liquid is recycled. All of the methods and processes of refrigeration and liquefaction are based upon the same basic refrigeration principals, as depicted in ~~Flow Diagram 1~~Figure 25.

In the instant specification, as published on page 9, amend paragraph [0077] as indicated below:

FIGS. 1 and **1A** provide a key to the symbols of ~~Flow Diagram 1 and~~ **FIGS. 2** through **2[[4]]6**.

In the instant specification, as published on page 11, add a new paragraph after paragraph [0101] as indicated below:

FIG. 25 illustrates in bock diagram form a general description of the methods and processes of refrigeration and liquefaction.

In the instant specification, as published on page 11, add a second new paragraph after the new paragraph above, which is after paragraph [0101] as indicated below:

FIG. 26 illustrates in bock diagram form a general description of the methods and processes of a jet engine.

To correct figures pagination, replace figures 1 – 24 as included herein and marked "Replacement Sheet". Add figures 25 and 26 as included herein and marked "New Sheet".

Examiner's Rejections and Applicant's Responsive Arguments

Patent Publications Branch Notice:

The illustration(s) on Page(s) 7, 47 does not come within the exceptions of 37 CFR 1.58(a). Please delete the illustration(s) from the specification, provide the illustration(s) as part of the formal drawing(s) in accordance with 37 CFR 1.84, and amend the specification, as necessary, in accordance with 37 CFR 1.74.

Applicant's Response

Applicant respects and appreciates time of the Patent Publications Branch to prepare the Notice.

Applicant has respectfully amended the instant specification in accordance with 37 CFR 1.121, along with 37 CFR 1.74 and the instant drawings in accordance with 37 CFR 1.84. Therefore, the instant specification contains no new matter and is complete in content as submitted; while, there are no illustrations on instant specification pages 7 or 47 which would be within exception of 37 CFR 1.58(a).

Patent Publications Branch Notice:

1. ☒ The applicant's failure to timely file a proper reply to the Office letter mailed on 07-22-11.
   (a) ☐ A reply was received on _____ (with a Certificate of Mailing or Transmission date _____), which is after the expiration of the period for reply (including a total extension of ____ month(s)) which expired on _____.
   (b) ☒ No reply has been received.

Applicant's Response

Applicant respects and appreciates time of the Patent Publications Branch to prepare the Notice.

Applicant respectfully informs and states to the United States Patent and Trademark Office that it was not until October of 2011 that Applicant was aware of the Notice to file corrected application papers mailed by the Patent Publications Branch on July 22, 2011, as is evidenced in the attached declaration of Applicant. Applicant did not receive the Notice to file corrected application papers mailed by the Patent Publications Branch, as is evidenced in the attached declaration of Applicant. Applicant provides a copy of Applicant's docket in relation to this matter, wherein is indicated that Applicant did not receive the Notice to file corrected application papers mailed by the Patent Publications Branch, as exhibited in the attached declaration of Applicant. Applicant has no master docket. Further, Applicant has searched his files in attempt to locate the Notice to file corrected application papers mailed by the Patent Publications Branch finding no received Notice, only the Notice obtained in October 2011 from Public Pair at uspto.gov.

CONCLUSION

Applicant has respectfully traversed both the Notice to File Corrected Application Papers and the Notice of Abandonment of the Patent Publications Branch.

Applicant respectfully requests publication of the allowed claims with the instant specification, as amended herein.

Respectfully submitted,

Date: December 20, 2011

Richard A. Haase, Pro Se'

Richard A. Haase
4402 Ringrose Drive
Missouri City, Texas 77459

Telephone: 281.261.9543
Facsimile: 281.261.6505

richard.haase@clearvalue.com

Representing:
ClearValue Technologies, Inc.; &
Richard A. Haase

PTO/SB/96 (09-04)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Richard Alan Haase

Application No./Patent No.: 10/790,316 Filed/Issue Date: March 1, 2004

Entitled:

Clear Value Technologies, Inc., a corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☑ the assignee of the entire right, title, and interest; or

2. ☐ an assignee of less than the entire right, title and interest.
The extent (by percentage) of its ownership interest is _____%

in the patent application/patent identified above by virtue of either:

A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☑ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (*i.e.*, a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

_____ 12/20/11
Signature Date

Richard Alan Haase 281-261-9543
Printed or Typed Name Telephone Number

President & CEO
Title

UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

DECEMBER 09, 2009

PTAS

103580983A

RICHARD ALAN HAASE
4402 RINGROSE DRIVE
MISSOURI CITY, TEXAS 77459

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 09/25/2009
REEL/FRAME: 023620/0668
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
HAASE, RICHARD ALAN
DOC DATE: 09/24/2009

ASSIGNEE:
CLEARVALUE TECHNOLOGIES, INC.
4402 RINGROSE DRIVE
MISSOURI CITY, TEXAS 77459

SERIAL NUMBER: 10413849
FILING DATE: 04/15/2003
PATENT NUMBER:
ISSUE DATE:
TITLE: CLARIFICATION OF WATER AND WASTEWATER

SERIAL NUMBER: 11041329
FILING DATE: 01/24/2005
PATENT NUMBER:
ISSUE DATE:
TITLE: METHODS AND PROCESSES FOR THE MANUFACTURE OF POLYNUCLEATE METAL COMPOUNDS AND DISINFECTANTS

SERIAL NUMBER: 10969393 FILING DATE: 10/20/2004
PATENT NUMBER: ISSUE DATE:
TITLE: WASTE METALS RECYCLING-METHODS, PROCESSED AND SYSTEMS FOR THE RECYCLE OF METALS INTO COAGULANTS

SERIAL NUMBER: 10790316 FILING DATE: 03/01/2004
PATENT NUMBER: ISSUE DATE:
TITLE: WATER COMBUSTION TECHNOLOGY - METHODS, PROCESSES, SYSTEMS AND APPARATUS FOR THE COMBUSTION OF HYDROGEN AND OXYGEN

SERIAL NUMBER: 12069708 FILING DATE: 02/12/2008
PATENT NUMBER: ISSUE DATE:
TITLE: METHODS, PROCESSES AND APPARATUS FOR BIOLOGICAL PURIFICATION OF A GAS, LIQUID OR SOLID; AND HYDROCARBON FUEL FROM SAID PROCESSES

SERIAL NUMBER: 09733392 FILING DATE: 12/07/2000
PATENT NUMBER: ISSUE DATE:
TITLE: METHOD FOR DEWATERING OF SLUDGE

SERIAL NUMBER: 09866145 FILING DATE: 05/25/2001
PATENT NUMBER: ISSUE DATE:
TITLE: METHOD FOR DEWATERING OF SLUDGE

SERIAL NUMBER: 12319216 FILING DATE: 01/02/2009
PATENT NUMBER: ISSUE DATE:
TITLE: WATER COMBUSTION TECHNOLOGY - METHODS, PROCESSES, SYSTEMS AND APPARATUS FOR THE COMBUSTION OF HYDROGEN AND OXYGEN

SERIAL NUMBER: 09140203 FILING DATE: 08/12/1998
PATENT NUMBER: 6120690 ISSUE DATE: 09/19/2000
TITLE: CLARIFICATION OF WATER AND WASTEWATER

SERIAL NUMBER: 10348071 FILING DATE: 01/21/2003
PATENT NUMBER: 7229550 ISSUE DATE: 06/12/2007
TITLE: POTABLE WATER TREATMENT SYSTEM AND APPARATUS

SERIAL NUMBER: 08721557 FILING DATE: 09/26/1996
PATENT NUMBER: 5846435 ISSUE DATE: 12/08/1998
TITLE: METHOD FOR DEWATERING OF SLUDGE

SERIAL NUMBER: 09055870 FILING DATE: 04/06/1998
PATENT NUMBER: 5906750 ISSUE DATE: 05/25/1999
TITLE: METHOD FOR DEWATERING OF SLUDGE

SERIAL NUMBER: 09114534 FILING DATE: 07/13/1998
PATENT NUMBER: 6136193 ISSUE DATE: 10/24/2000
TITLE: PROCESS OF BIOTREATING WASTEWATER FROM PULPING INDUSTRIES

SERIAL NUMBER: 08794532 FILING DATE: 02/03/1997
PATENT NUMBER: 5705072 ISSUE DATE: 01/06/1998
TITLE: BIOTREATMENT OF WASTEWATER FROM HYDROCARBON PROCESSING UNITS

SERIAL NUMBER: FILING DATE: 04/10/2003
PATENT NUMBER: ISSUE DATE:
PCT NUMBER: US0311250
TITLE: WATER COMBUSTION TECHNOLOGY-METHODS, PROCESSES, SYSTEMS AND APPARATUS FOR THE COMBUSTION OF HYDROGEN AND OXYGEN

SERIAL NUMBER: FILING DATE: 10/11/2003
PATENT NUMBER: ISSUE DATE:
PCT NUMBER: US0341719
TITLE: WATER COMBUSTION TECHNOLOGY-METHODS, PROCESSES, SYSTEMS AND APPARATUS FOR THE COMBUSTION OF HYDROGEN AND OXYGEN

SERIAL NUMBER: 10524651 FILING DATE:
PATENT NUMBER: ISSUE DATE:
PCT NUMBER: US0223651
TITLE: PROCESSES AND APPARATUS FOR THE MANUFACTURE OF POLYNUCLEAR ALUMINUM COMPOUNDS AND DISINFECTANTS AND POLYNUCLEAR ALUMINUM COMPOUNDS AND DISINFECTANTS FROM SUCH PROCESSES AND APPARATUS

SHAREILL COLES, EXAMINER
ASSIGNMENT SERVICES BRANCH
PUBLIC RECORDS DIVISION

D/#

Form PTO-1595 (Rev. 03-09)
OMB No. 0651-0027 (exp. 09/31/2009)

09/25/09

11-18-2009

103580983

RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies)

Richard Alan Haase

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: ClearValue Technologies, Inc.

Internal Address:

Street Address: 4402 Ringrose Drive

City: Missouri City

State: Texas

Country: USA Zip: 77459

Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) September 24, 2009

☒ Assignment ☐ Merger

☐ Security Agreement ☐ Change of Name

☐ Joint Research Agreement

☐ Government Interest Assignment

☐ Executive Order 9424, Confirmatory License

☐ Other

4. Application or patent number(s): ☐ This document is being filed together with a new application.

A. Patent Application No.(s)

10/413,849; 11/041,329; 10/969,393; 10/790,316; 12/069,708; 09/733,392; [illegible] 09/866,145; PCT/US03/11250; PCT/US03/41719; PCT/US 02/23651; 12/319,216; [illegible]

B. Patent No.(s)

6,120,690; 7,229,550; 5,846,435; 5,906,750; 6,136,193; 5,705,072

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Richard Alan Haase

Internal Address:

Street Address: 4402 Ringrose Drive

City: Missouri City

State: Texas Zip: 77459

Phone Number: 281-261-9543

Fax Number: 281-261-6505

Email Address: Richard.Haase@clearvalue.com

6. Total number of applications and patents involved: 19

7. Total fee (37 CFR 1.21(h) & 3.41) $ 760.00

☐ Authorized to be charged to deposit account

☒ Enclosed

☐ None required (government interest not affecting title)

8. Payment Information

Deposit Account Number

Authorized User Name

[illegible] 18413849

01 FC:8821 768.00 DA

9. Signature:

Signature

September 25, 2009
Date

Richard Alan Haase
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450